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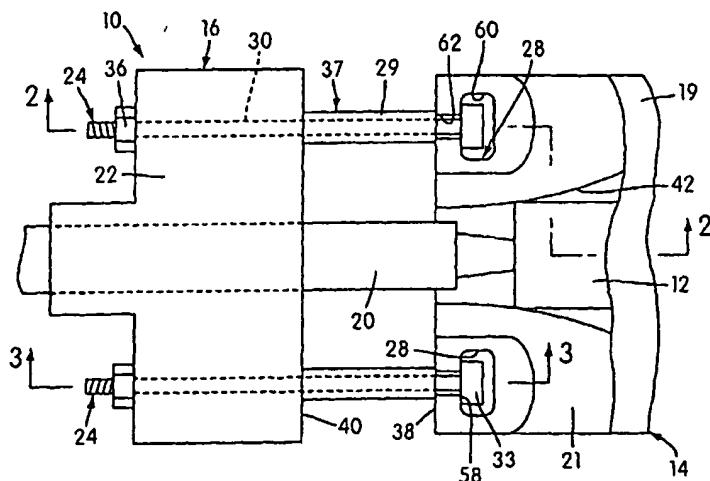
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(54) Title: HYDROFORMING APPARATUS AND METHOD OF ASSEMBLING SAME



(57) Abstract: A hydroforming apparatus (10) includes a hydroforming die member (14) and a hydroforming press (16, 18). A fastener (24) couples the press to the die member, the fastener having a shaft (30) and a shoulder (32). A spacer (29) positioned on the fastener spaces the die member from the press. The shaft is secured to the press housing. The shoulder is positioned within a slot (28) in the die member configured to receive the shoulder as the shoulder is inserted into the slot in a direction transverse to a longitudinal axis of the fastener.

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International application No
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 575 172 A (BONNY PIERRE ET AL) 19 November 1996 (1996-11-19) the whole document	1-19

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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US 5575172	A 19-11-1996 DE	4434441 A1	28-03-1996